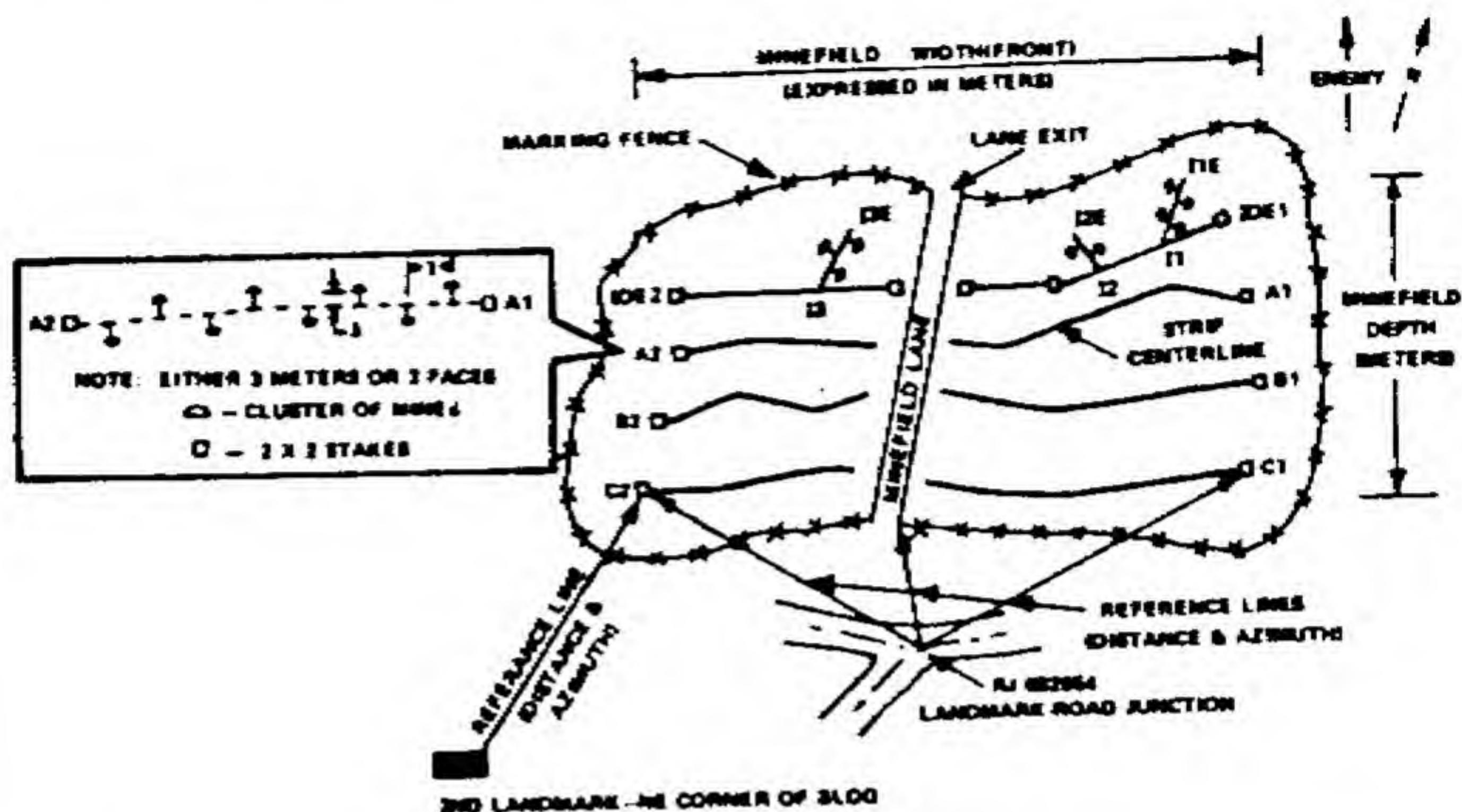
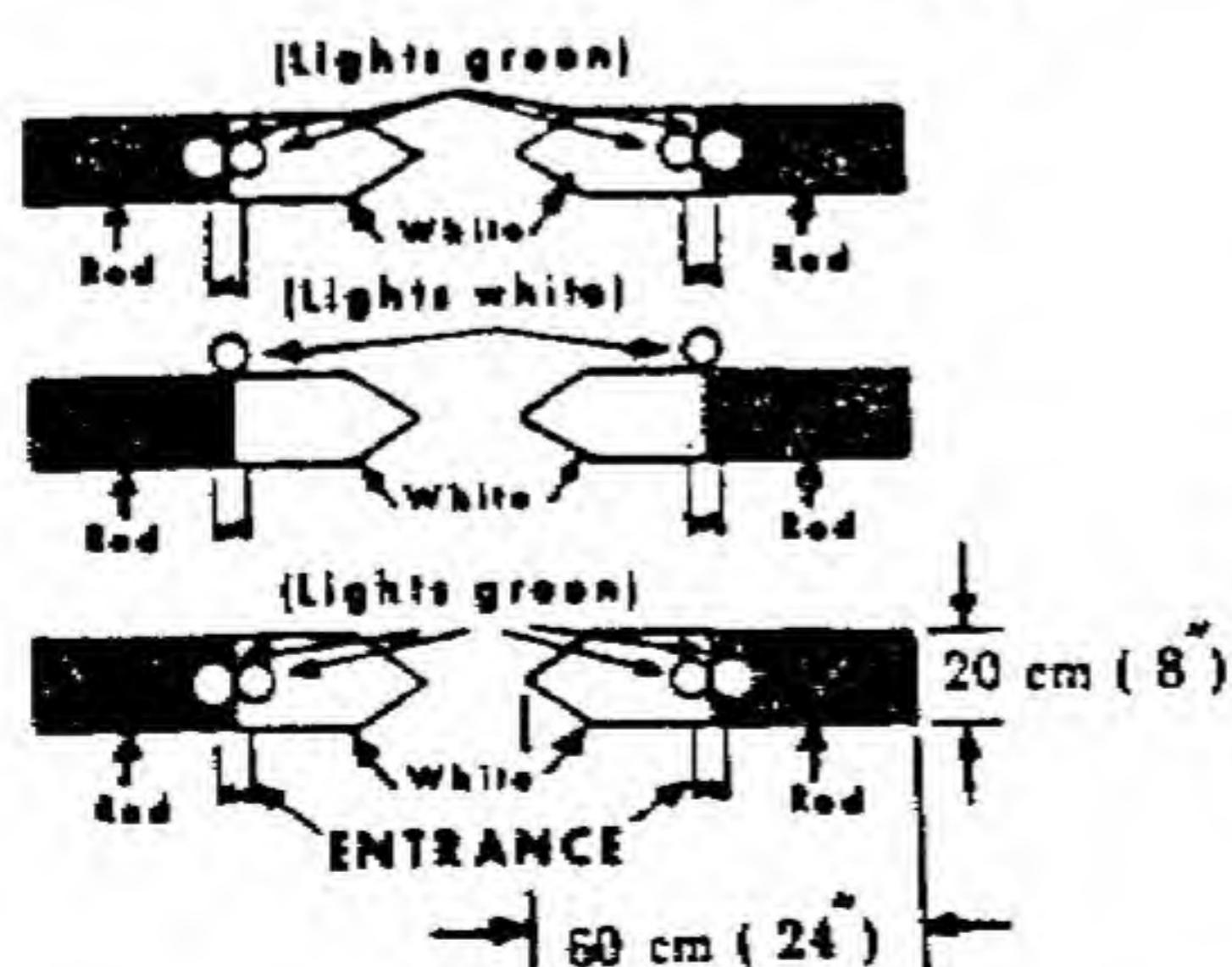
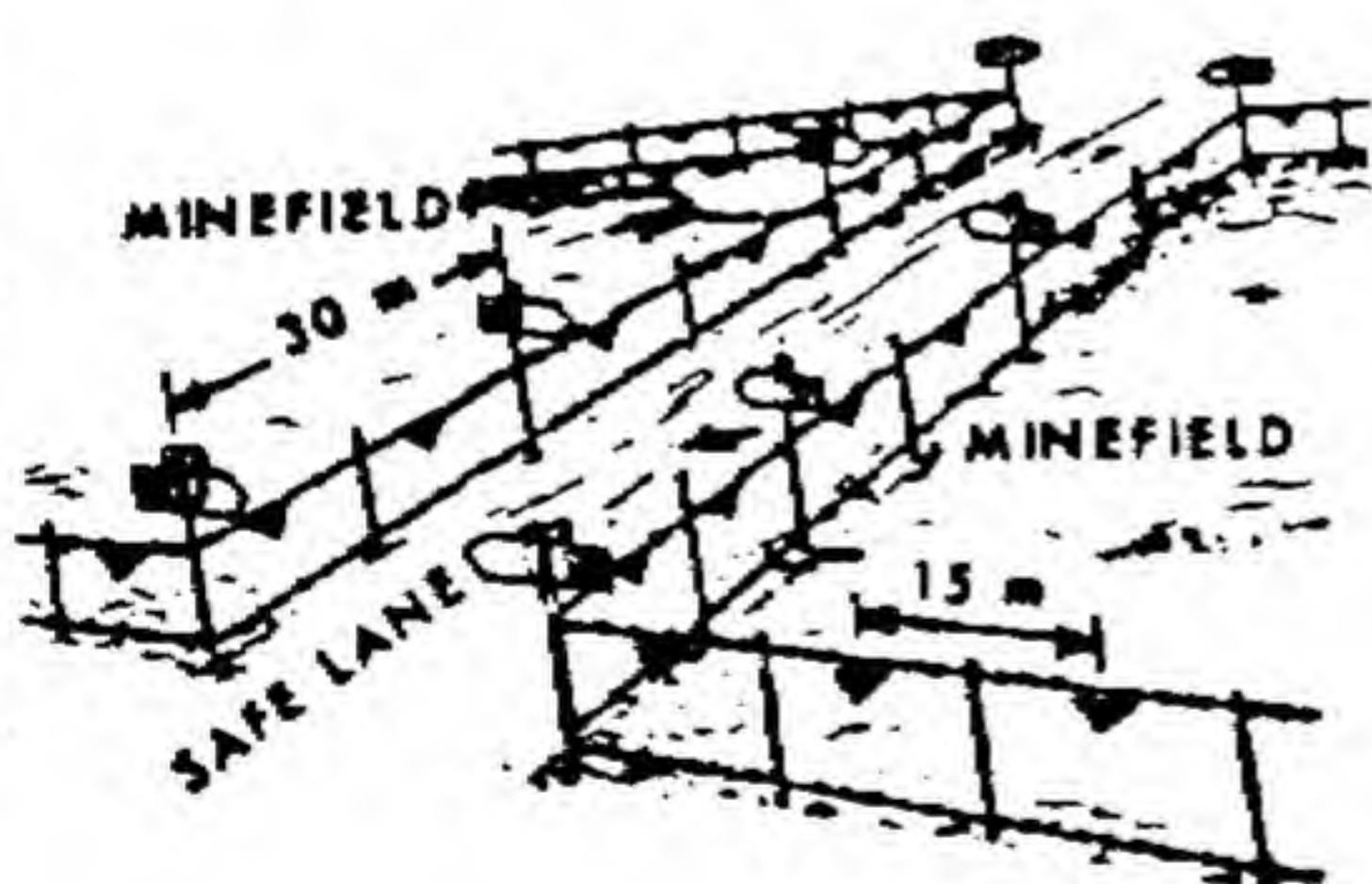


# GTA 5-10-27 MINE CARD

NOVEMBER 1975 (Supersedes GTA 5-10-10, June, 1970)



STANDARD PATTERN MINEFIELD FENCED, MARKED, AND REFERENCED



## MARKING OF MINED TERRAIN

### WARNING SIGNS FOR AREAS CONTAINING MINES

HIGH EXPLOSIVE MINES - CHEMICAL MINES



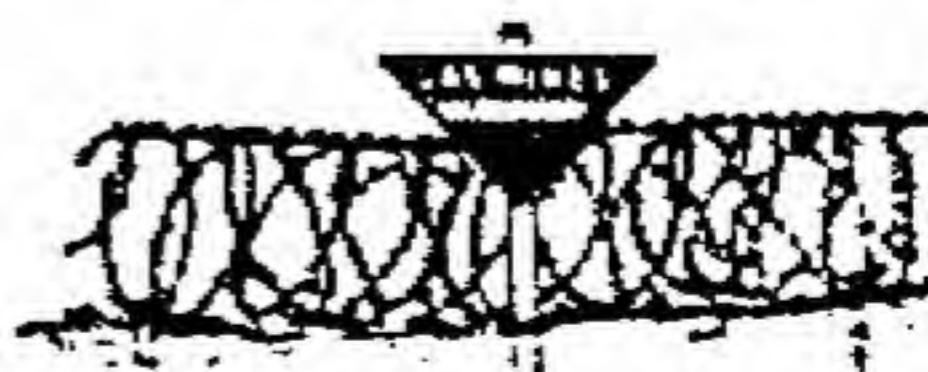
RED BACKGROUND  
WHITE LETTERS  
YELLOW STRIPE

BACKSIDE OF SIGNS RED WITH NO OTHER MARKINGS



### WIRE FENCING FOR MINEFIELD CONTAINING ENTICIAL MINES

1 HIGH EXPLOSIVE MINES IMPLIED



STANDARD REAR AREA LANE MARKING

**M14  
BLAST  
ANTIPERSONNEL  
MINE**



Wt ..... 3 1/3 oz.  
Explosive ... 1 oz. TETRYL  
Fuze ..... integral  
(with Belleville Spring)  
Functioning 20 to 35 lbs.  
Penetrates Boot & Foot



Unscrew shipping plug  
from bottom of mine.  
Turn pressure plate to  
ARMED position with  
arming tool.



Remove safety clip and  
check for malfunctioning.



Replace safety clip.



Screw detonator into  
detonator well.



**TO BURY:** Pressure plate  
should be slightly above  
ground level.

**TO DISARM:** Insert safety  
clip and remove detonator.

**CAUTION:** Repeated  
turning of arming dial may  
cause excessive wear.

**M16A1  
BOUNDING  
ANTIPERSONNEL  
MINES**

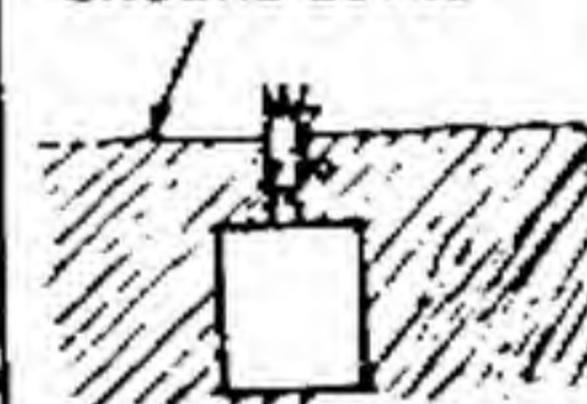


Wt ..... 8.25 lb.  
Projectiles ..... Steel  
Fuze ..... M605  
(Combination)  
Functioning:  
Pressure ... 8 to 20 lbs  
Pull ..... 3 to 10 lbs  
Bounding Ht .6-1.2m  
Casualty radius ..... 30m

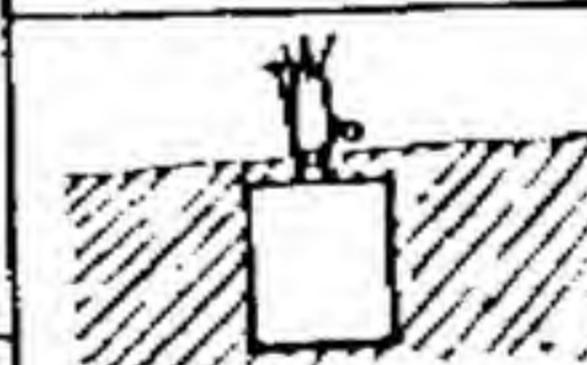


Remove shipping plug and  
screw in fuze.

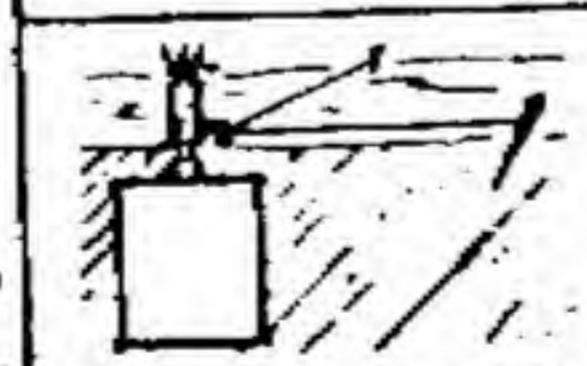
**GROUND LEVEL**



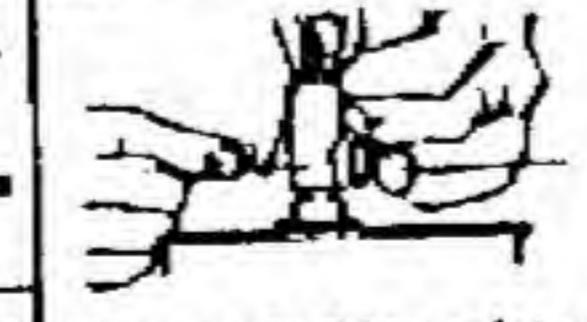
Pressure installation



Tripwire installation



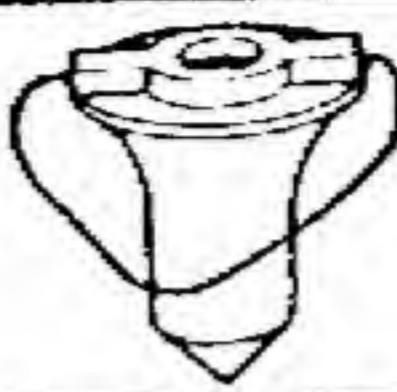
Attach tripwires - first to  
anchor, then to pull ring.



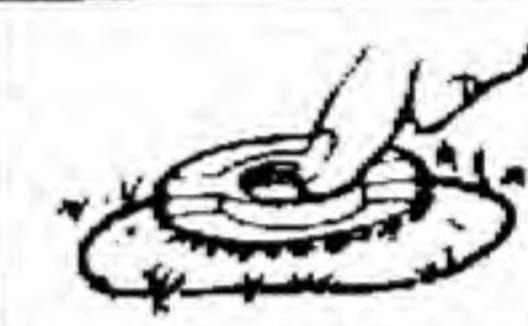
Remove locking safety pin  
first. The interlocking pins  
should fall free. Then  
remove positive safety

**TO DISARM:** Reverse  
arming procedure.

**M25  
BLAST  
ANTIPERSONNEL  
MINE (ELSIE)**



Wt ..... 2 3/4 oz.  
Explosive ... 1/3 oz. shape  
charge  
Fuze ..... integral  
(w/ball release)  
Functioning.. 14 to 26 lbs  
Penetrates Boot & Foot



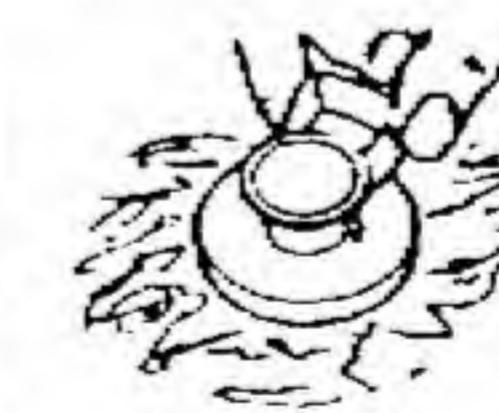
Push mine into ground.  
Keep dust cap in place. If  
ground is hard, dig hole  
with bayonet.



Remove dust cap.



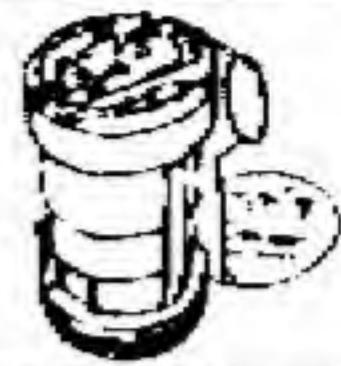
Insert charge.



Remove safety clip

**TO DISARM:** Reverse  
arming procedure.

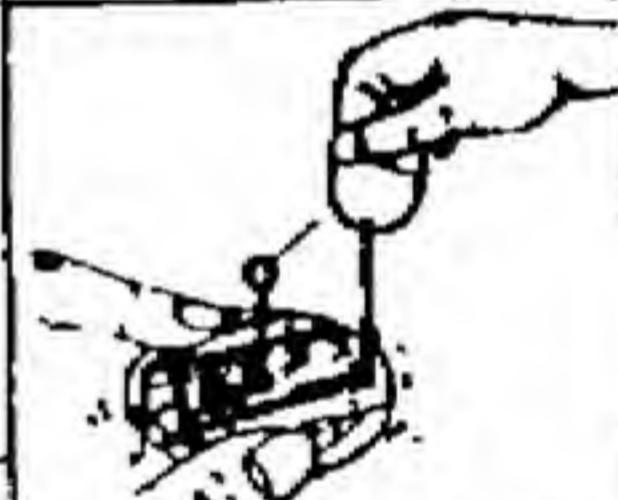
**M26  
ANTIPERSONNEL  
MINE**



Wt ..... 2.2 LBS  
Projectiles ..... Pellets  
Fuze ..... integral  
Functioning:  
Pressure ... 14-28 lbs  
Pull ..... 4-8 lbs  
Bounding Ht ..... 3m  
Casualty Radius ..... 17m



Remove arming handle. (If  
tripwire is to be used  
install trip-lever; attach  
slack wire to lever; and)  
place mine in ground flush  
with top of ground.



Remove arming latch  
retaining pin.



Attach arming handle to  
lugs on arming latch,  
rotate the cover clockwise  
until it comes to a positive  
stop (the arrow will point  
to the red letter "A"  
armed).



Remove arming latch by  
pulling straight out with  
the arming handle.

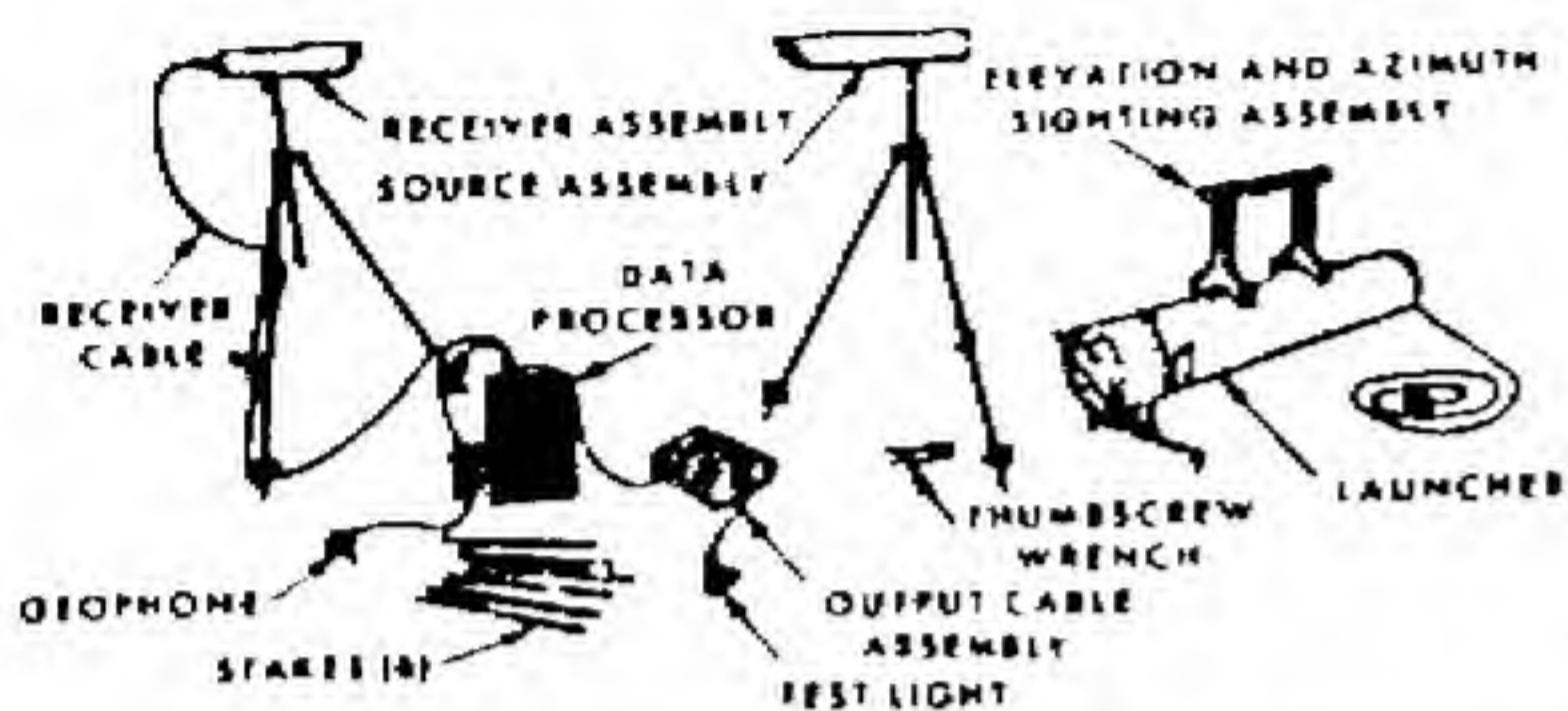
**TO DISARM:** Reverse  
arming procedure.

M18A1 FRAGMENTATION ANTIPERSONNEL MINE	M15 HEAVY ANTITANK MINES	M15 ANTITANK MINE USED WITH M608 FUZE	M19 PLASTIC HEAVY ANTITANK MINE
Wt ... 3.5 lbs Explosive ... 1.5 lb C4 Projectiles ... 700 (steel balls) Equipment: One electric cap 30m firing wire per mine. One electric firing device per mine. One Tester per 6 mines.	Wt ... 30 lbs Explosive ... 22 lbs. Fuze ... M603 Secondary fuze wells ... 2 Functioning ... 300 to 400 lbs.	Functioning ... 200-350 lbs for 250-450 milliseconds. Secondary fuze wells ... 2 Resistant to blast type countermeasures.	Wt ... 28 lbs Explosive ... 21 lbs. Fuze ... M606 integral (with pressure plate) Secondary fuze wells ... 2 Functioning ... 350 to 500 lbs.
<b>TEST CIRCUIT:</b> Mate firing device, circuit tester and blasting cap. Depress handle. Light should show in window. Separate test components.	Remove plug and inspect fuze well.	Remove pressure plate-fuze	
<b>AIMING IN ARMING THE M18A1:</b> WHEN USING THE SLIT TYPE PEEP SIGHT AIM THE MINE AT AN INDIVIDUAL'S HEAD WHEN STANDING 50M FROM THE MINE. WHEN USING THE KNIFE EDGE SIGHT AIM THE MINE AT AN INDIVIDUAL'S FEET WHEN STANDING 50M FROM THE MINE.	Remove plug and inspect fuze well. Insure fuze is in SAFE position. Thread fuze into mine...HAND TIGHT	Remove shipping plug; check position of striker (offset). Remove safety fork, then turn dial to ARMED position. Check position of striker (center). Turn to SAFE and replace safety fork.	
	Inspect fuze and remove safety.	Hold fuze to prevent rotating, turn locking ring down until it locks against pressure plate.	
Remove shipping plug-priming adapter. Insert blasting cap and screw into either cap well.	Insert fuze	Screw threaded detonator into detonator well.	
		Place mine in hole and remove pull pin from fuze.	
Uncoil firing wire and connect directly to firing device with safety engaged.	Replace plug with dial in safe position	Place mine in hole, remove safety fork, and turn dial to ARMED.	
		Complete camouflage	
<b>FIRING POSITION:</b> A minimum of 16 meters from rear of mine to fox hole. Friendly troops at side and rear should be under cover at a minimum of 100 meters.	Turn dial to ARMED	For pressure type mine bury with fuze cap flush with ground surface.	
TO FIRE Disengage safety bar and depress handle.	Turn dial from SAFE to ARMED.	Tilt Rod-mines should be seated firmly in snug-fitting hole. Most effective in tall brush or grass.	
TO DISARM Reverse arming procedure	TO DISARM: Reverse procedure except DO NOT replace pull pin.	Timer provides a 30 ± 5 minute safe separation period. Both leads must be depressed for initiation.	
	TO DISARM: Reverse arming procedure	TO DISARM: Reverse arming procedure	

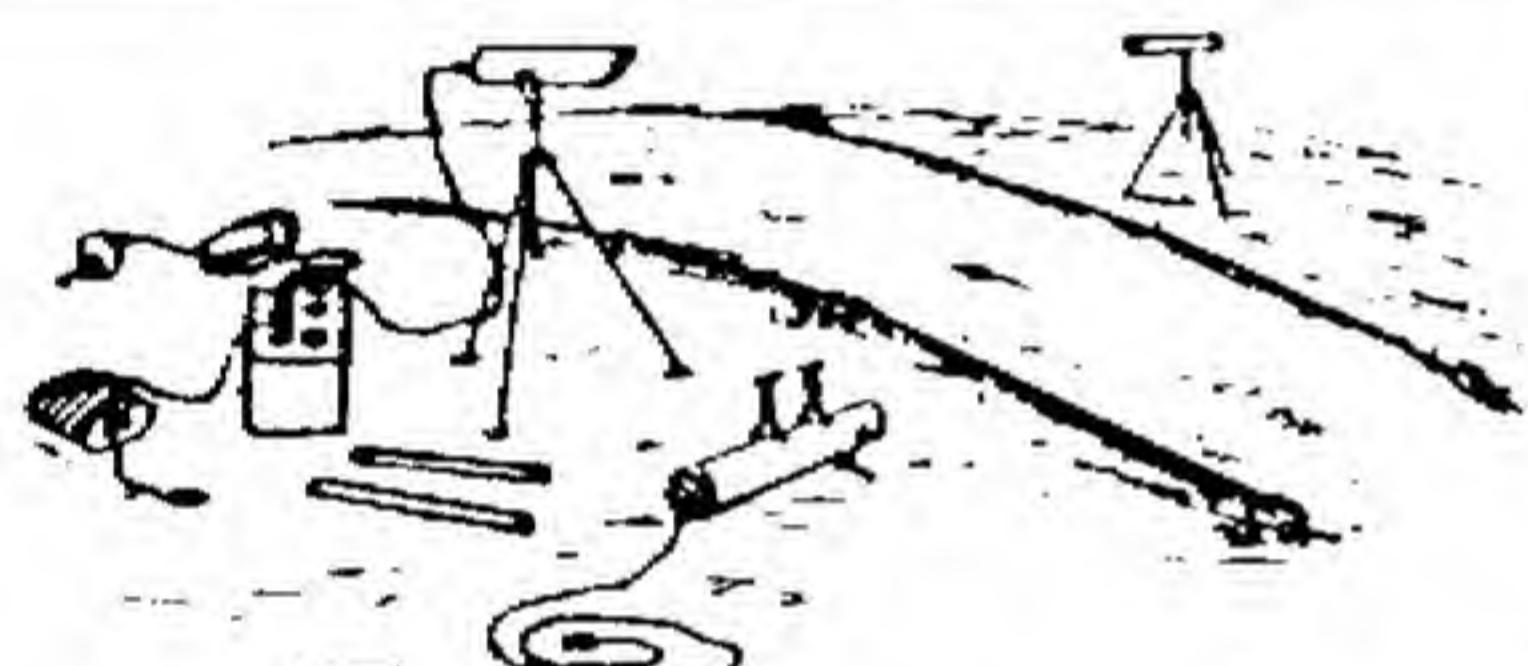
M21 METALLIC (KILLER) ANTITANK MINE	M21 ANTITANK MINE USED WITH M612 FUZE	M24 OFF-ROUTE ANTITANK MINE
Wt ... 18 lbs Explosive ... 10.5 lbs Fuze ... M607 Functioning ... 290 lbs. [Pressure or pressure ring or 20° deflection of tilt rod]	Has two 2.7m pneumatic heads, safety latch and arming lever.	<b>INSTALLING AND ARMING</b>
	Remove closing plug, insert M120 booster in bottom, and replace closing plug.	<b>DISSEMBLER AND FIRING ASSEMBLY ON DEVICE</b>
	Remove shipping plug from mine. Screw in fuze.	<b>ASSEMBLY SPINDLE SIGHTING ASSEMBLY</b>
	Bury mine. Cross and extend hoses.	<b>DISSEMBLER LAID FOR WHEELED VEHICLES</b>
	Remove shipping plug from mine and screw in fuze, then screw in tilt rod extension.	<b>BROWN MARKS</b>
	Bury mine. Cross and extend hoses.	<b>FIRING DEVICE</b> Attach discriminator wire to DETECTOR of firing device (toggle switch on SAFE). Stand on two brown marks on discriminator nearest firing device. If lamp lights, circuit is good, otherwise, discard system.
		<b>DISCIMINATOR</b> <b>ROCKET</b>
		Disconnect discriminator wire from firing device. Remove launcher from dispenser pouch and place in position. Remove packing blocks, push rocket forward to safety band, and remove hand. Depress ejection pin and push rocket back into launcher until contact ring is exposed at base. Grounding clip must be connected. Remove tagged shorting clip and push rocket back into launcher. Tape plastic covers over ends of launcher.
		Position launcher on bipod assembly or mound of earth. Mount sighting assembly and sight along discriminator to target impact point about 1m above road (soldier's belt buckle). To aim, move launcher, not sight. Fill pouches with dirt, lay over launcher, recheck sight, remove sight, re-connect discriminator wire to firing device (light out), connect rocket cable to firing device, and push toggle switch to ARM. The system is now armed and will fire when pressure is applied to the discriminator. See TM 9-1345-200.

## M66

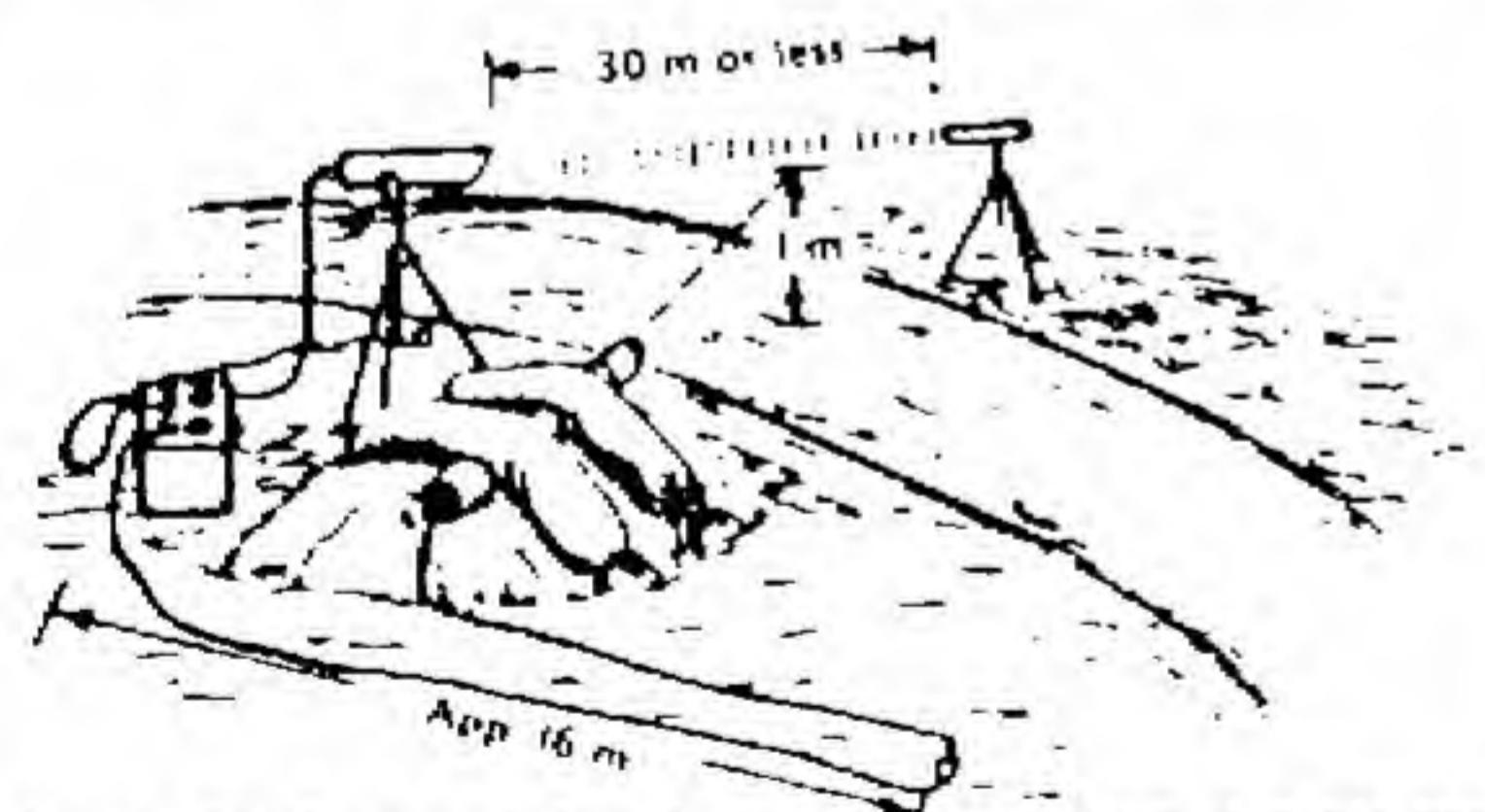
## OFF-ROUTE ANTITANK MINE



Assemble tripods, source and receiver assemblies. Install battery in source assembly.

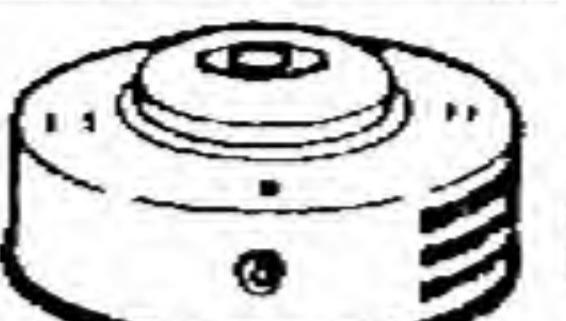


Select well camouflaged sites across road. Aim source assembly at receiver and about 1 meter above road center. Stake legs of tripod to ground. Aim receiver at source assembly. Connect Geophone cable, output cable w/test light, and receiver assembly cable to data processor. Install batteries in data processor. Hold Geophone steady and place hand in front of receiver. If test light functions system is operative (If light does not function check connections and source/receiver alignment). Disconnect Geophone and place hand in front of receiver. Test light should not function (If light functions system is inoperative and should not be used) If light does not function connect Geophone cable and press spike into ground.



Unwind firing cable from socket, slide socket forward from launcher enough to remove safety. Depress ejection pin and slide back into launcher. Position launcher and sight on impact point 1m above road center on source/receiver line. Secure launcher with sandbags. Position output cable and firing cable as shown. Test light should not function. If it does recheck connections and source/receiver alignment. Remove shorting plug and connect cables.

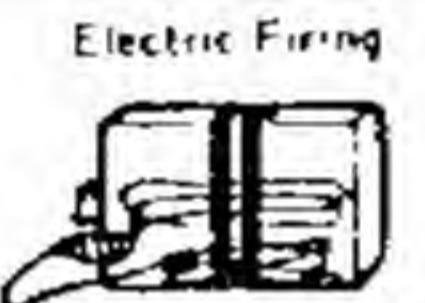
**WARNING:** Make sure all personnel are clear of launcher when testing circuits.

M23 AND M1  
1 GALLON  
CHEMICAL  
LANDMINES

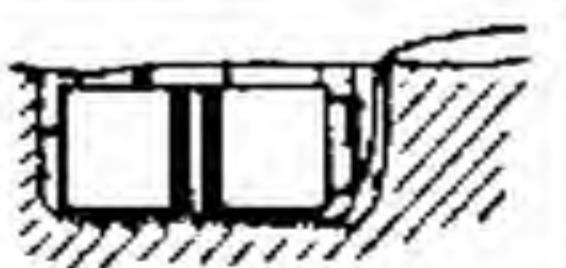
When armed for pressure detonation, emplace in same manner as the M15 antitank mine.



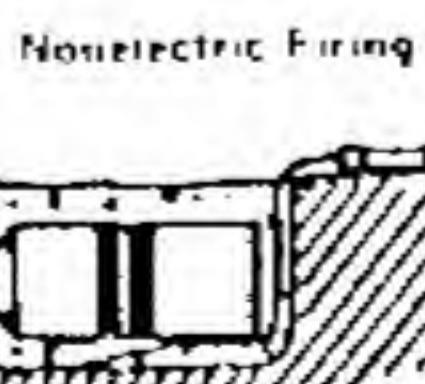
Wt. 11 lb. Loaded has a 1.2m length of detonating cord for burster charge. May be armed for electric or tripwire actuation.



Attach burster charge—1.2m length of detonating cord—to side of mine.



Bury mine <0cm and attach detonating cord to controlled firing system.

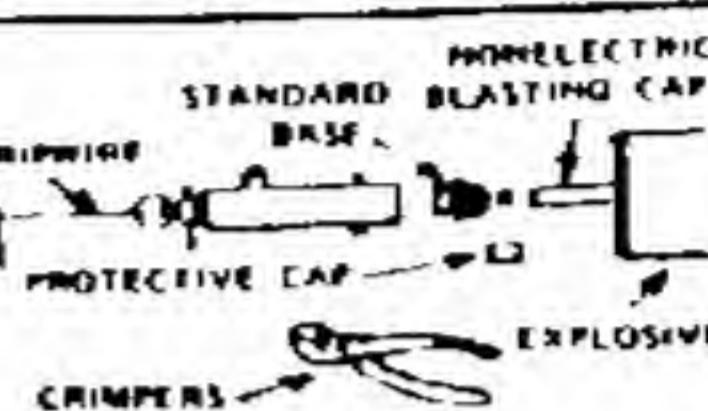


Bury mine as above and attach nonelectric detonator to burster.

**WARNING:** Soldiers preparing, laying, and removing chemical landmines, must wear protective clothing.

M1  
PULL FIRING DEVICE

INITIATING ACTION: 3 to 5 lb pull on tripwire.



Remove protective cap from standard base and crimp on nonelectric blasting cap. Attach firing device assembly to charge. Attach anchored tripwire.



TO ARM: Remove locking safety pin first, and positive safety pin last.



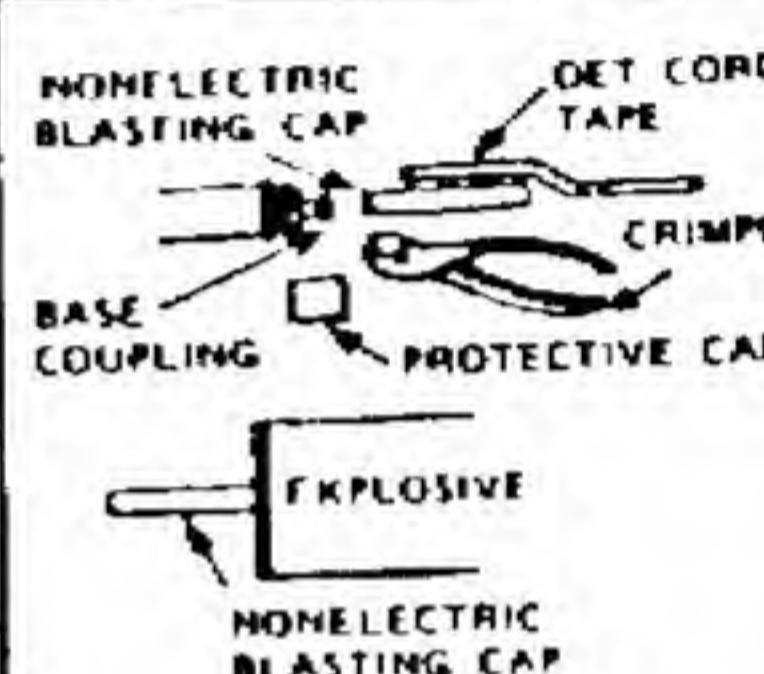
TO DISARM: Insert nail, length of wire, or original safety pin in positive safety pin hole first. Then insert similar pin in locking safety pin hole. Cut tripwire and separate firing device and explosive. Unscrew standard base.



The M1 pull firing device can be used as an antihandling device on the M15 or M19 AT mines. The arming procedures are the same as above. The device is employed in the side fuze well and a tripwire attached from the M1 to a stake secured underground near the mine.

M1A1  
PRESSURE FIRING  
DEVICE

INITIATING PRESSURE: 10 lbs or more.



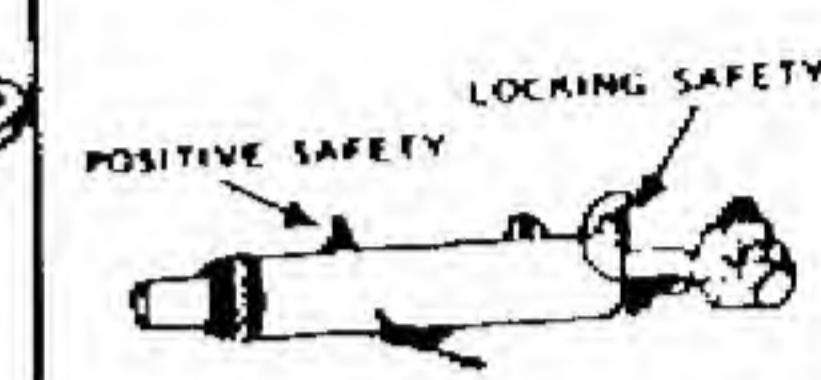
Remove protective cap from base and crimp on nonelectric blasting cap. Assemble det cord, nonelectric blasting cap, and firing device.



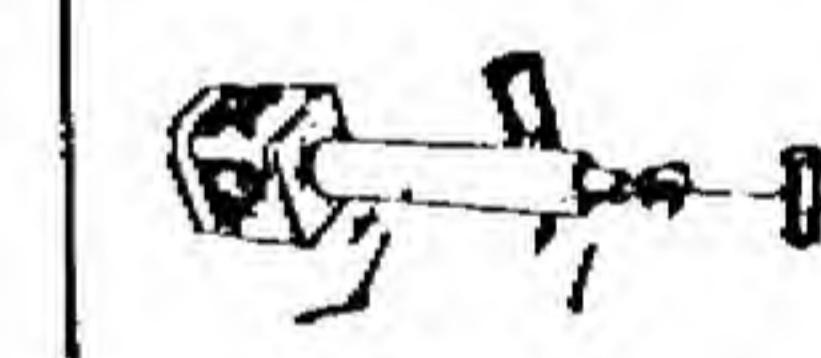
TO ARM: Remove safety clip. Then positive safety pin.



TO DISARM: Insert wire, nail or original pin in positive safety pin hole. Replace safety clip, if available. Unscrew base assembly from firing device.

M3  
PULL-RELEASE  
FIRING DEVICE

Remove protective cap and crimp on a nonelectric blasting cap. Attach firing device assembly. To anchored charge [must be firm enough to withstand pull of at least 6-10 lbs pull on tripwire]. Put free end of anchored tripwire in hole in which with knurled knob, draw up tripwire until locking safety is pulled into wide part of safety pin hole.



TO ARM: With cord, remove small cotter pin from locking safety pin, and withdraw locking safety pin. If it does not remove easily, adjust which winding. With cord, pull out positive safety pin.

TO DISARM: THE M3 IS DANGEROUS TO DISARM. IT SHOULD BE BLOWN IN PLACE.

**NOTE:**  
If the device must be disarmed proceed as follows: Insert length of wire, nail or original pin in positive safety pin hole first. Then insert length of wire, nail or original locking pin in locking pin hole. Replace safety clip, if available. Unscrew base assembly from firing device.

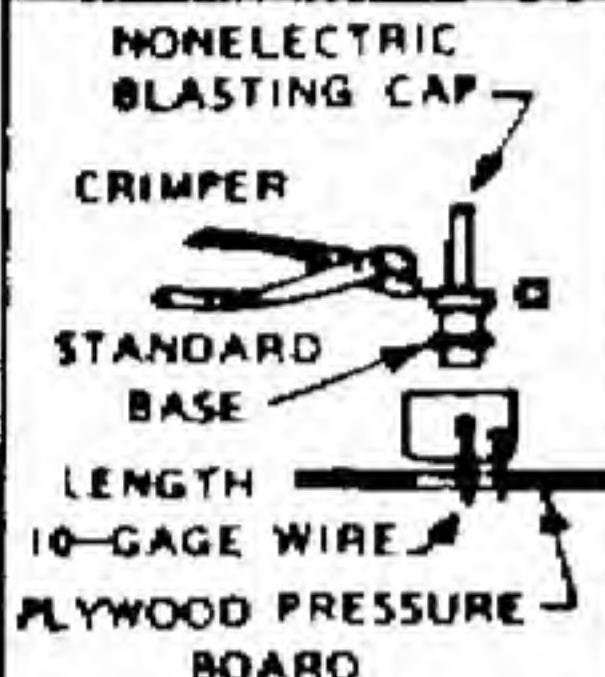
**M5  
PRESSURE-RELEASE  
FIRING DEVICE**

**M49A1  
TRIP FLARE**

**HASTY PROTECTIVE MINING**



**INITIATING ACTION**  
Lifting 1.59cm or removing restraining weight (5lb or more)



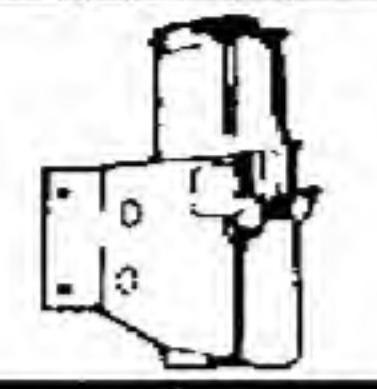
Insert length of 10-gage wire in interceptor hole and holding release plate down, remove safety pin. Replace safety pin with length of No. 18 wire. Assemble cap, firing device and mine.



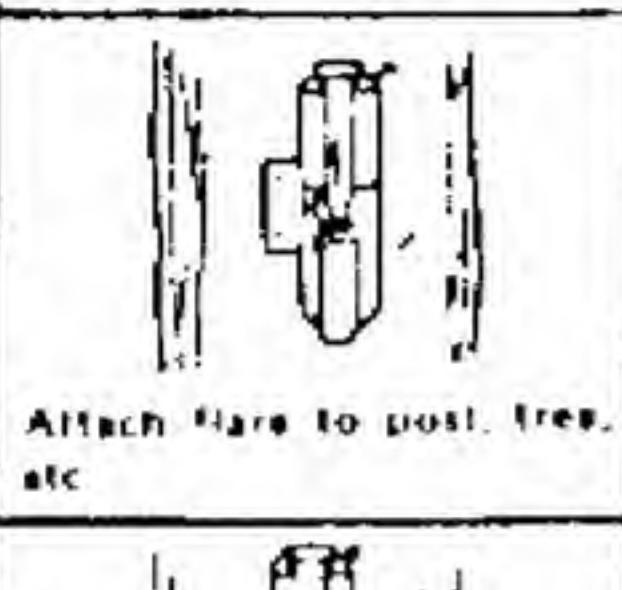
**TO ARM:** Remove thin wire (locking safety) and then heavy wire (positive safety) from interceptor hole. FOLLOW ARMING PROCEDURE CAREFULLY



**TO DISARM:** Insert length of heavy gage wire in interceptor hole. Bend wire to prevent dropping out. Proceed carefully, as the slightest disturbance of restraining weight may detonate mine. Disassemble firing device and mine.



Burning period 55 to 70 sec  
Illumination radius 300m  
Indicated by faint or loose tripwire



Attach tripwire to anchor, then to trigger. Pull trigger to vertical position and secure.

1. Hasty protective minefields are generally laid by small unit commanders at outposts, work sites, bivouac areas, or ambush sites. They may also supplement manned weapons, prevent tactical surprise, or give early warning of enemy advance.

2. Mines should be readily detectable and removable and be sited across likely avenues of approach within range of organic weapons and visual observation.

3. Depending on the situation, the field should be marked by signs or fences or have guards to warn friendly troops.

4. The hasty protective minefield should be recorded on DA Form 1335-1 (page 8). If not available a form should be improvised. The unit that installs the field should warn adjacent units if possible, and inform higher headquarters. This unit must remove the field before leaving the area or transfer the responsibility to the relieving unit commander.

**RULES FOR A STANDARD PATTERN MINEFIELD**

**TRIPWIRES**

- No tripwires in the IOE
- Tripwires employed on the enemy side of the strip only.
- No more than two tripwires per cluster.
- No more than one tripwire mine per cluster.
- Tripwires no closer than 2 meters from any safety lane.
- Tripwires no closer than every third cluster.

**CLUSTER COMPOSITION**

- No more than 5 mines per cluster.
- No more than 1 AT mine per cluster.
- First cluster always on enemy side of strip.



Check both ends of tripwire and cut near trigger.

**WARNING:** Never look directly at burning flare. Note: For loose tripwire initiation, attach tripwire to eye of safety pin.

**HASTY PROTECTIVE MINEFIELD RECORD**

(FM 20-32)

**AZIMUTH BLOCK**

Enemy Mag North

**INSTRUCTIONS**

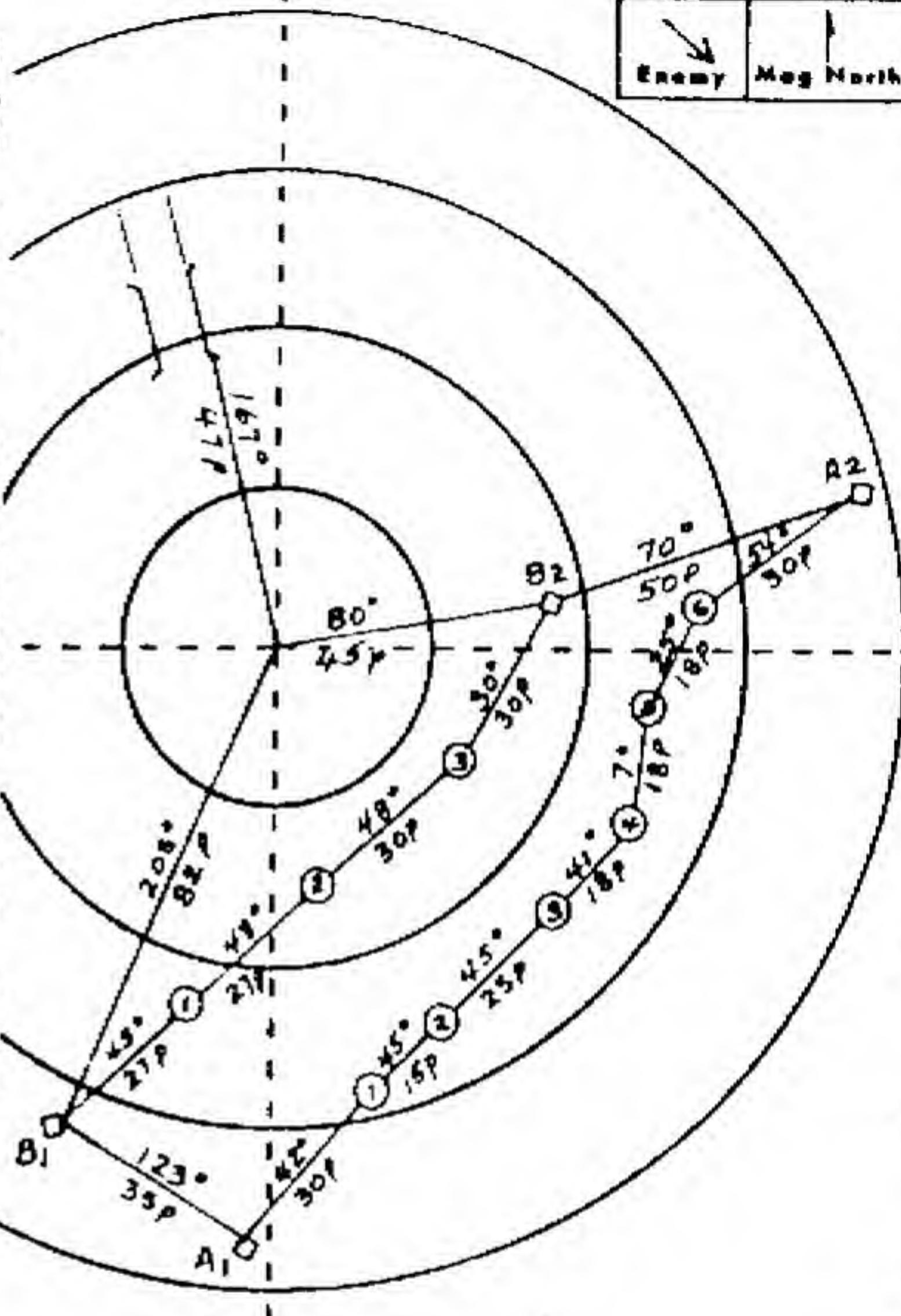
- IMPROVISE AN HASTY REFERENCED POINT ON THE GROUND IN FREE & STUMP A STAKE IN THE GROUND ORIENT THE FLAME OF THE FLARE PIN TO THE REVERSE OF FACING IN THE CENTER POINT OF THE CIRCLE TO THE DESIGNATED REFERENCE POINT ON THE GROUND.
- RECORD IN REFERENCE POINT TO A LARGE MARK SUCH AS A ROAD AND TIME HOUR TURNER, ETC.
- COMPLETE THE AZIMUTH BLOCK.
- COMPLETE THE FOLLOWING INFORMATION IN THE IDENTIFICATION BLOCK, UNIT REF PT, MAP NUMBER, AND SHEET NO, NAME, NAME OF OIC.
- STARTING FROM THE REFERENCE POINT, RECORD THE MAGNETIC AZIMUTH IN DEGREES (1°) AND DISTANCE IN FEET (00') OF EACH LEG FROM THE FRIENDLY POSITION TOWARD THE ENEMY POSITION AND FROM RIGHT TO LEFT OR LEFT TO RIGHT ACROSS EACH ROW OF MINE. HOWEVER, ALL ROWS MUST BE BROKEN. IF THE SAME DIRECTION IS USED, THE STARTING POINTS OF THE ROWS MUST BE MARKED AS B1, ETC. AND THE ENDING POINTS MARKED AS B2, ETC. AS SHOWN IN THE EXAMPLE. EACH MINE IN EACH ROW WILL BE NUMBERED SEPARATELY FROM THE STARTING POINT TO THE LAST MINE IN THE ROW.
- FILL IN THE TABULAR BLOCK. SEE EXAMPLE.

1. FILL IN THE SCALE BEING USED. WHERE SPACE IS PROVIDED, SCALE FOR TABULAR FILL IN THE PAGE IN READERS IN THE RIGHT MARGIN.

2. MAKE ALL MINEFIELD REPORTS PERTAINING TO INITIATION, COMPLETION, TRANSFERS AND CHANGES BY SOME SECURE MEANS.

3. NOTE WHAT HAS BEEN USED TO IDENTIFY AT&BT MINE DRIVEN PLUMS WITH GROUND STEEL POLE OR PLATE PORT WRAPPED WITH ENDLESS TAPE, ETC.

**SCALE: 1cm = 25 paces**



**TABULAR BLOCK**

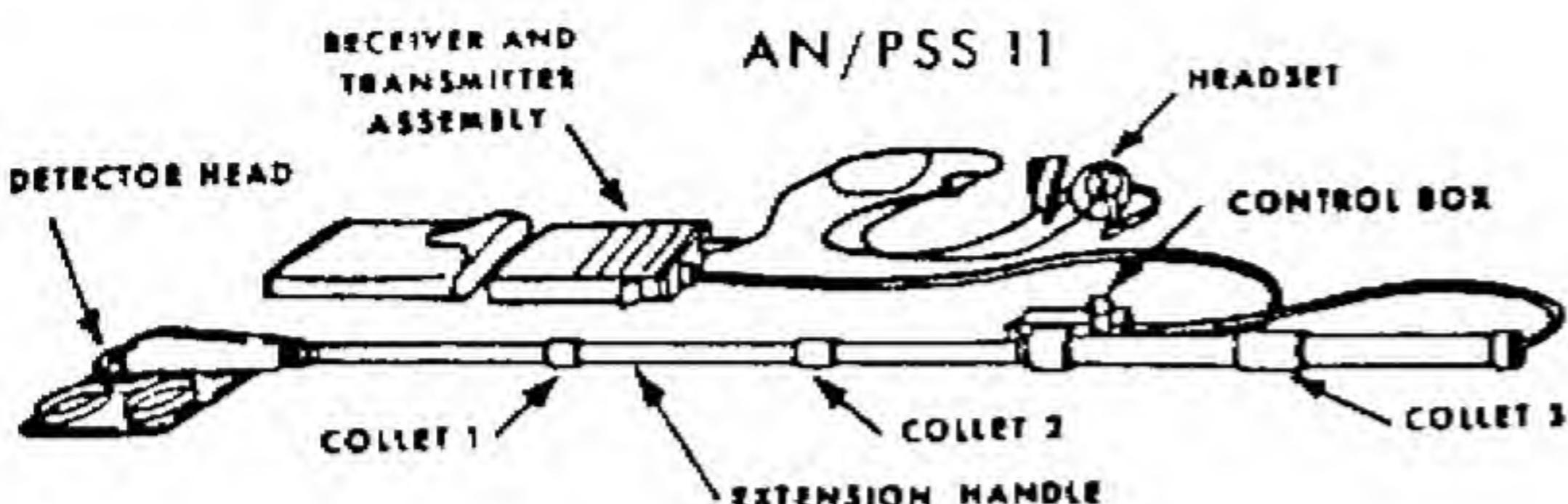
Row	Type	Action	Mine number
A	MIGA1	TRIPWIRE	1, 2, 6
	MIGA1	PRESSURE	3, 4, 5
B	MIGA1	TRIPWIRE	1, 3
	M2A1	CONTROLLED	2

**Remarks:** POINTS A1 & A2, B1 & B2 ARE MARKED WITH 2" X 2" STAKES

Unit 2 <sup>nd</sup> PLT, A Co, 1-4 <sup>th</sup> 2 BDE, CAV DIV	
Ref Pt	U-SHAPED STEEL STAKE
Remarks	POINT A1 & B1 ARE MARKED WITH 2" X 2" STAKES
Map & Sheet No	TABBOT 556B
Name/locn of OIC	1st Lt. [Signature]
Signature	[Signature]
Mines removed	
Mines transferred	

DA Form 1335-1, 8

## DETECTOR OPERATING INSTRUCTIONS



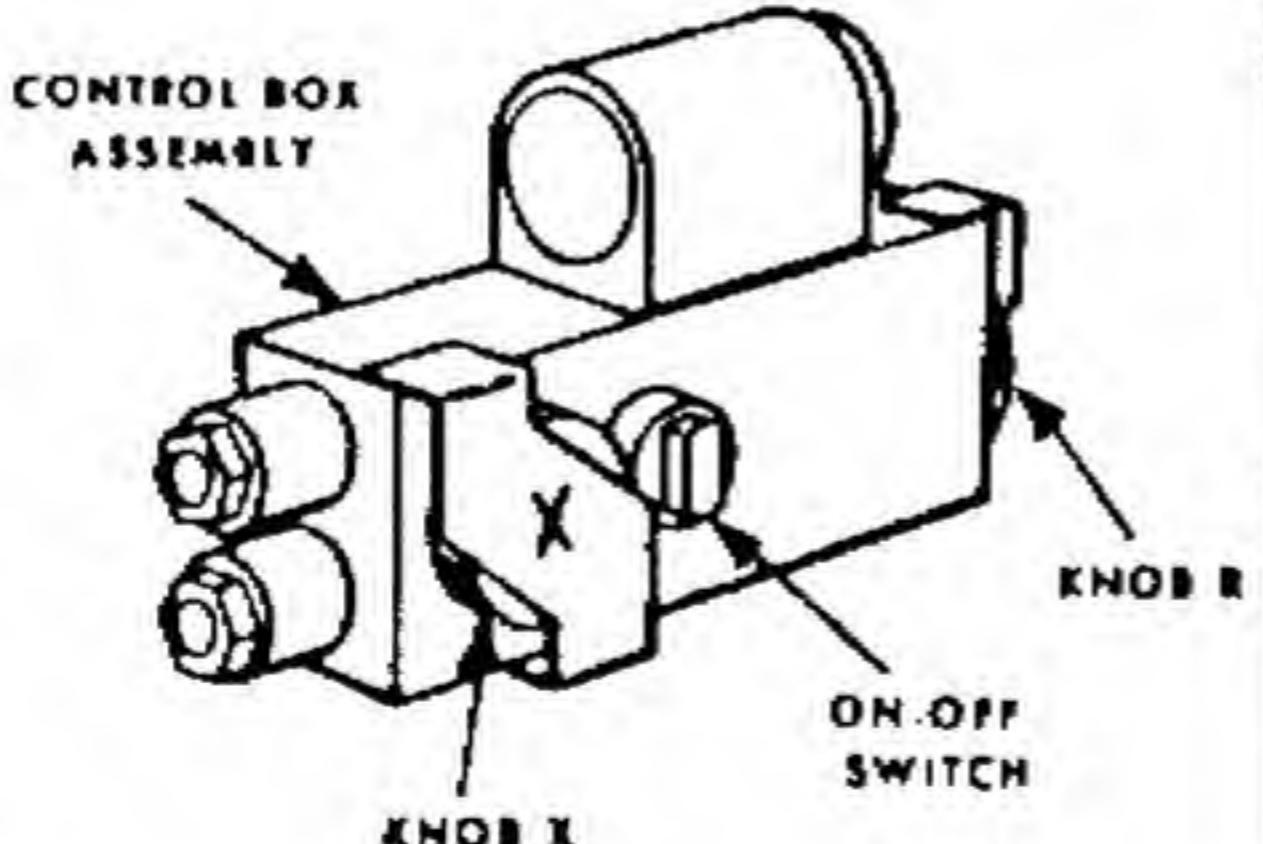
### 1. ASSEMBLY

- Loosen pressure release valve on front of case (opposite handle) by 2 counterclockwise turns. Then open case.
- Remove transmitter assembly, head set, and search head assemblies, and 1 silver chloride battery from case.
- Remove battery cap from receiver-transmitter case and insert battery — negative end first or detector will not operate. **WARNING:** Never throw silver chloride battery in fire. It may explode.

- Connect extension handle to search head assembly. Pull back on collar to expose key pin, then line pin with slot on lock ring, and slide collar forward.
- Extend handle to proper length by loosening and pulling out extensions and retightening collets.
- Attach audio frequency receiver-transmitter assembly carrying case to standard pistol belt by means of keeper and slide provided.
- Put head set on operator, making sure that pressure on earcups is enough for a partial seal against external noises.

### 2. TUNING

- With head set on, hold search head 1.5 m above ground away from all metal.
- Turn ON-OFF switch to intermediate position.
- Turn both Knob X and Knob R as far as possible either clockwise or counterclockwise. Back off Knob R exactly 5 full turns. Then adjust Knob X to obtain a minimum null signal.
- If there is no signal:
  - Check battery for correct installation and inspect cables and all connections for breaks.
  - Check color-coded modules for faulty operation by process of elimination. Each module has different plug-in pins. (A complete set of extra modules is included in carrying case).



### 3. SWEEPING

- Sweep in a 3m swing. This gives a 2m clearance with a .5m overlap on each side.
- Adjust position controls for proper operation.
  - LOW POSITION:** Used in areas containing shrapnel or metallic fragments. Hold search head 2 to 8 cm above ground. Detector will signal only large objects at this adjustment.
  - INTERMEDIATE POSITION:** Used in areas strewn with small metal fragments to search for small anti-personnel mines.

Hold search head 2 to 8 cm above ground. At this adjustment, detector is more sensitive than at low position.

(3) **HIGH POSITION:** Used in nonmetallic soil to detect metal fuzed mines or nonmetallic fuzes with metal firing pieces. Hold search head 2 to 8 cm above ground. Detector is the most sensitive at this adjustment.

**CAUTION:** Keep detector clean and dry and the case closed to keep it from getting wet on the inside.

## MINEFIELD BREACHING

- Mines located by visual inspection, probing, or electric detectors may be clearly marked and by passed, detonated in place, pulled out by rope, and A-frame, or hand neutralized. By passing is usually the best course of action but located mines should be clearly marked.
- Grapnels are useful to detonate mines in place, especially those with trip wires and tilted fuzes. Have all persons behind cover when grapnel is thrown to insure against casualty if grapnel detonates mine when it drops to ground.
- To detonate mines in place, trained

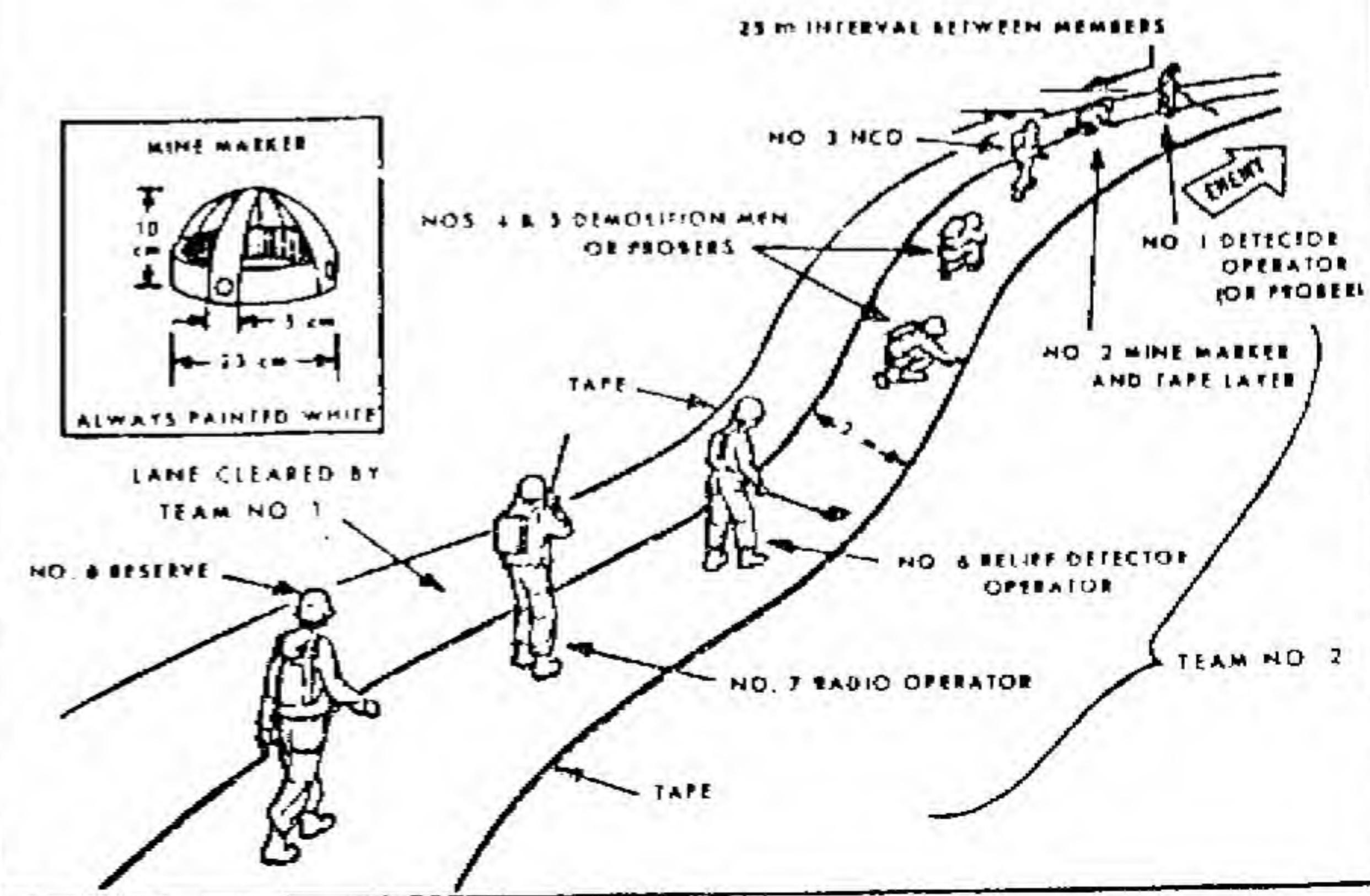
demolitionists may fire a 1-pound charge of explosive on top of each mine (FM 5-25).

- To remove mine by rope, unhooked sufficiently to locate handle or proportion to attach rope. After attaching rope, take cover about 50M away before pulling mine from hole. IF IT DOES NOT DETONATE, WAIT 30 MINUTES, then investigate.
- To remove by hand, restrict operations to only trained Engineer or EOD specialists. Being extremely hazardous, hand removal should be undertaken only when tactical situation demands it.

## PLATOON ORGANIZATION FOR MANUAL BREACHING (FM 20-32)

Personnel	Officer	NCO	EM	Equipment
Officer in charge	1			Lensatic compass, map, radio, and individual weapon.
Platoon sergeant		1		Same as OIC, except no radio.
No. 1 breaching party		1	7	2 portable detectors, 2 probes, mine markers, marking tape or wire on reels, safety pins, clips, smooth wires (46 cm lengths) 1/2" to 1" blocks of explosive blasting caps, detonating cord, safety fuse, fuse lighters, crimpers, and portable radio.
No. 2 breaching party		1	7	Same as No. 1 breaching party.
No. 3 breaching party		1	7	Same as No. 1 breaching party.
Support party		1	10	Same as No. 1 party, plus, sledges or mauls, hammers, pavers, wire cutters, 5 cm by 10 cm stakes at least 1.8 m long, individual weapons, litter, lane-marking signs, gauntlets, barbed wire, and stakes.
Totals	1	5	31	

## DUTIES OF MEMBERS OF BREACHING PARTIES (FM 20-32)



MINEFIELD RECORD										<b>SPECIMEN</b>	
CG, 11 <sup>TH</sup> ARMD CAV DIV L <sup>ST</sup> FLT, CO "A", 547 <sup>TH</sup> ENGR BN (CBT) O/S: LT RONALD A ADOSITT S/N 31521					1060500Z JAN 1975 061800Z JAN 1975 PSG RONALD E WIESE 338 403966					ATTACK DEFENSIVE TALBOTVILLE 1 50,000 LONG 6721	
LANDMARKS					INTERMEDIATE MARKERS						
No.	Description	Description				No.	Description	Description			
UT 22048800	NORTHEAST CORNER OF ROAD JUNCTION U SHAPE POLE DRIVEN FLUSH WITH THE GROUND					1	THREE SHORT U SHAPE PICKETS WITH 12" LEFT ABOVE GROUND WRAPPED WITH BARBED WIRE				
UT 22059761	NORTHWEST CORNER OF BRICK BUILDING										
<p><b>STANDARD MARKING FENCE (2 STRANDS) FENCE SIDES OF MINEFIELD ONLY ENEMY SIDE LEFT OPEN</b></p> <p><b>4</b> 2" X 2" WOODEN STAKES DRIVEN FLUSH WITH THE GROUND WITH AN 8 PENNY NAIL DRIVEN INTO TOP OF STAKE</p>											
LANE					LANE						
No.	Description	Description				No.	Description	Description			
3M	COMB WIRE PEASER ON & MINES STORED IN LANDMARKS					2	U SHAPED PICKETS AT 9 M15, 27-M26, 1B-M14 ENTRANCE AND AT EXIT				
ANTI-TANK MINES					ANTI-PERSONNEL MINES					NOTES	
Type	Type	Type	Type	Type	Type	Type	Type	Type	Type		
M15	X	X			M16	M14	X			1. JOE LINE CLUSTERS (ALL OTHERS ARE NUMBERED BUT OMITTED) I1-1 4, 10 15, 18, 24, 27, 28, 29, 30; I2-3, 5, 8, 13, 19, 22, 26, 27, 28, 29, I3-2, 7, 11, 16, I4-1, 3, 4, 8, 11, 14, 21, 25, 30, 33	
34			34	6	68	68			136	2. NUMBERED OMITTED CLUSTERS: (a) FOR LANE - JOE - NONE; A-57, 58, 59, B-46, 47, 48, C-47, 48, 49, D-49, 50, 51 (b) OTHERS EXCEPT JOE - A-1, 5-TREES; B-99-TREES C-87-ROCK, D-99-CONCRETE SLAB	
93			93	2	186	186			372	3. CLUSTERS WITH ANTI-HANDLING DEVICES ON AT MINES JOE - I1-27, 29, I2-19, 28; I3-16, I4-21; A-12, 56, B-35, C-25, D-None	
76			86	1	172	172			344	4. CLUSTERS W/TRIP WIRED AP MINES: A-11, 57, B-35, 81, C-3, 15, 21, 23, 91, D-None	
86			86	2	172	16			258	5. STRIP CLUSTER COMPOSITION: JOE, A, B, ALL CLUSTERS 1-2-2-1, D-1-1	
Ø			Ø	Ø	267	99			956	6. ALL SAFETY CLIPS/PINS FOR EACH STRIP ARE BURIED 30CM (13 INCHES) TO THE REAR OF EACH STRIP MARKER ON LEFT BOUNDARY.	
299			299	11	865	601			1466		

